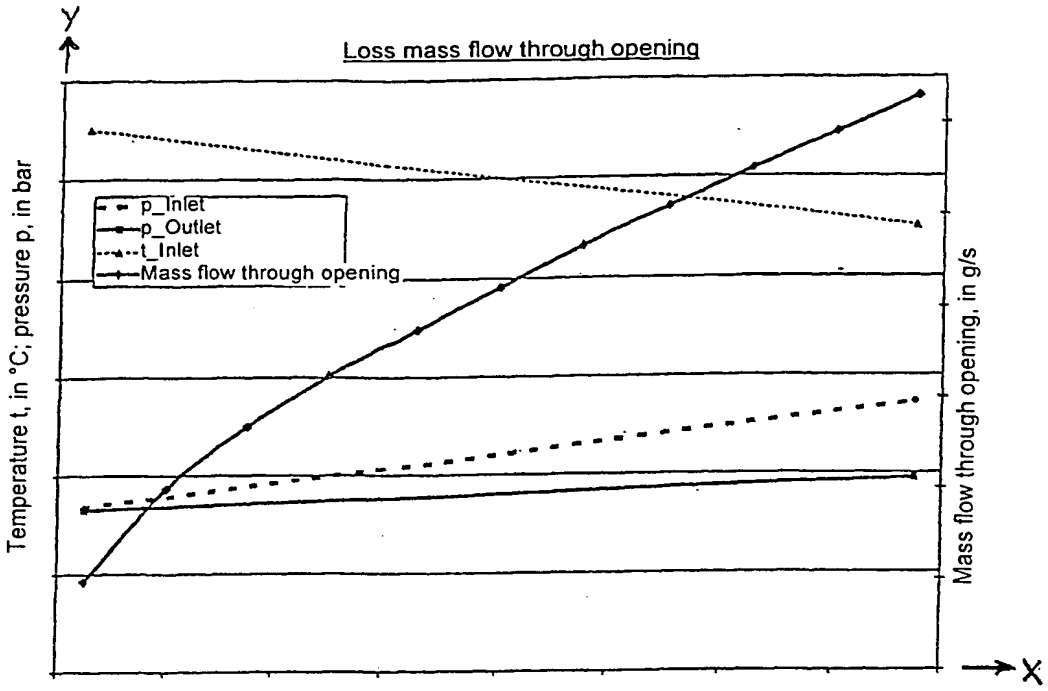

Fig.1

Loss mass flow through a constant opening
with increasing pressure difference

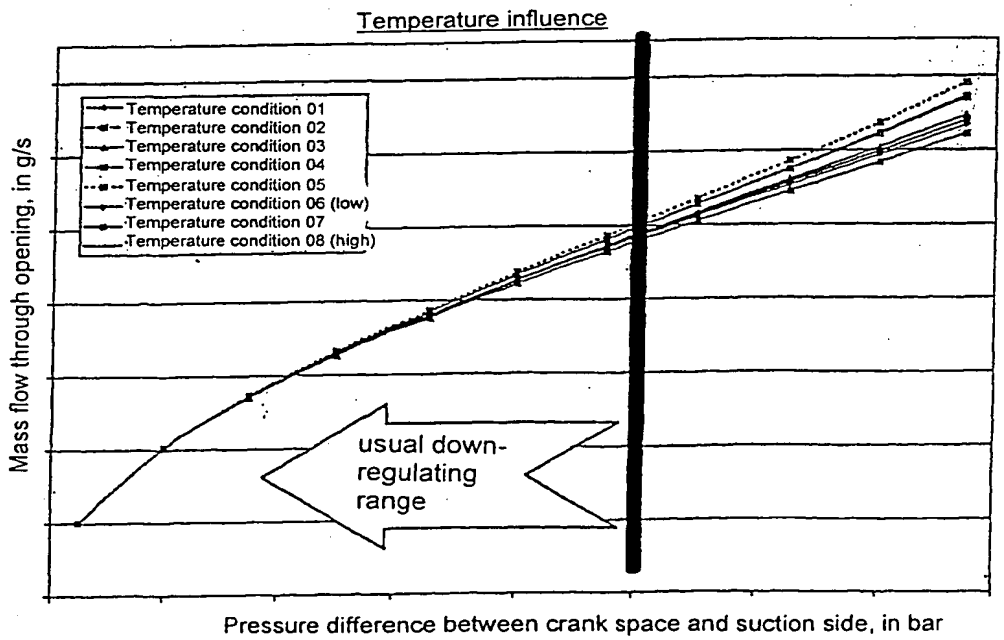

Fig.2

Mass flow between crank space and suction side
for typical climate operation

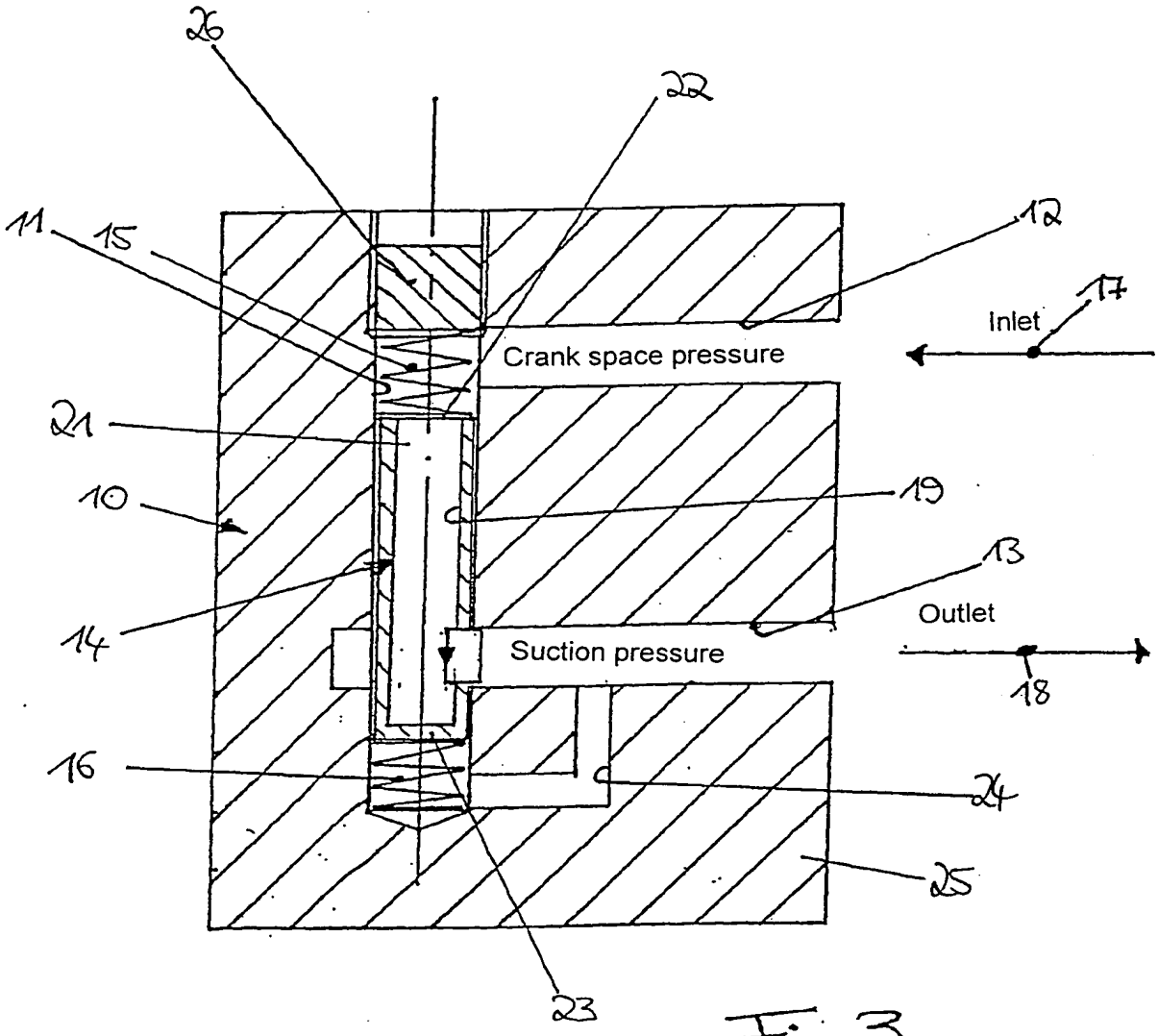

Fig. 3

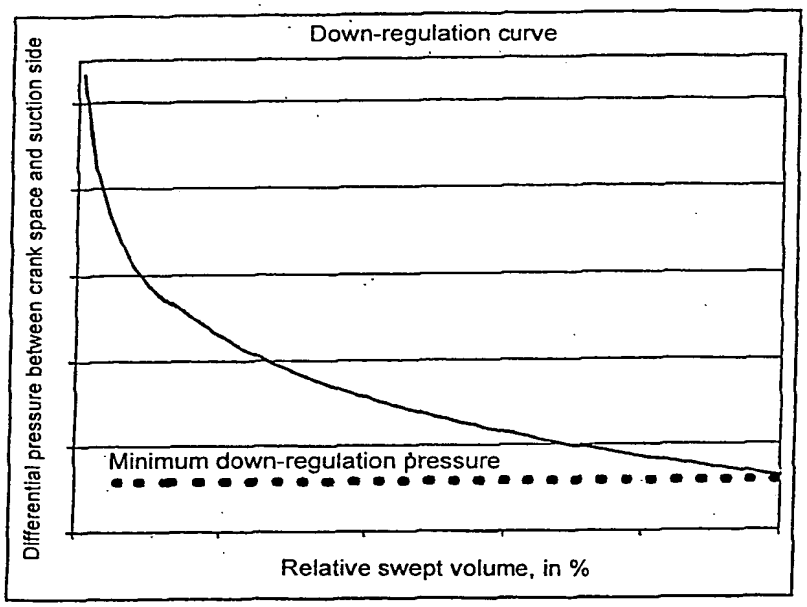

Fig. 4

Typical down-regulation curve of an externally regulated compressor

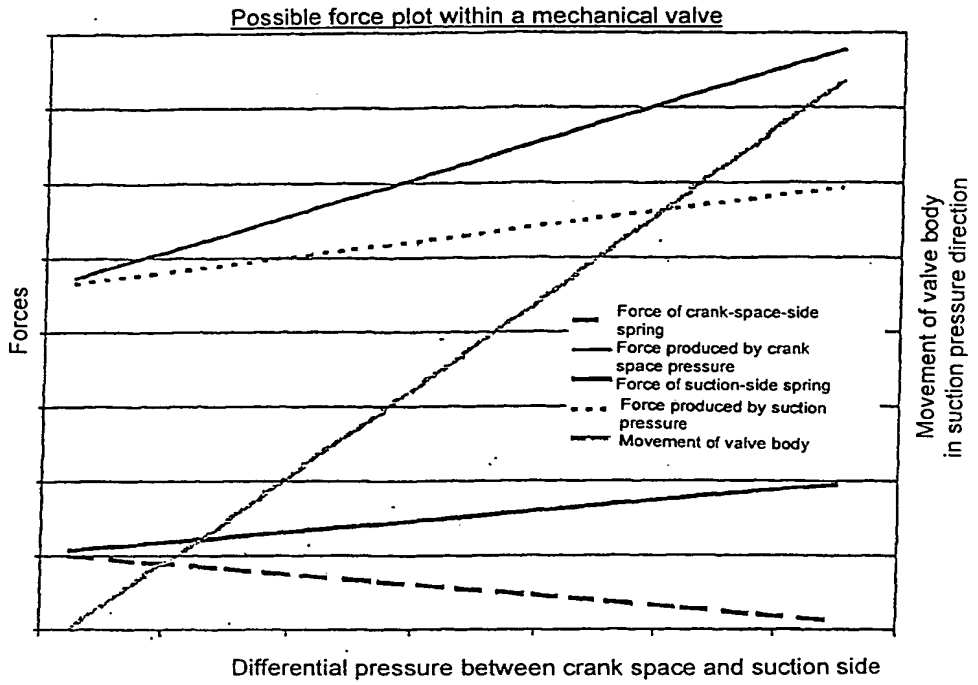

Fig. 5

Possible force plot during down-regulation with a mechanical valve

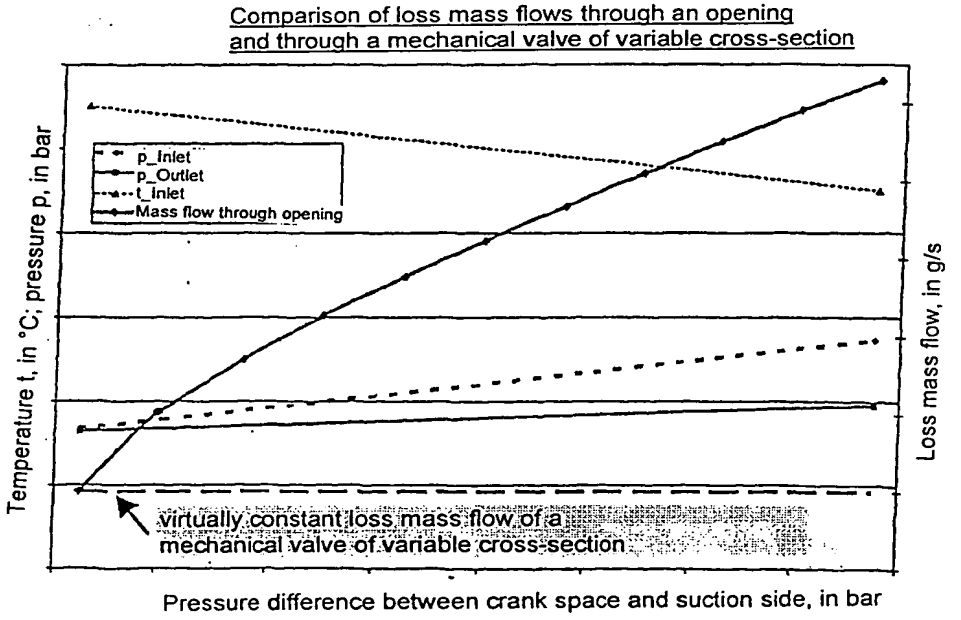

Fig. 6

Comparison of loss mass flows through an opening and through a mechanical valve of variable cross-section

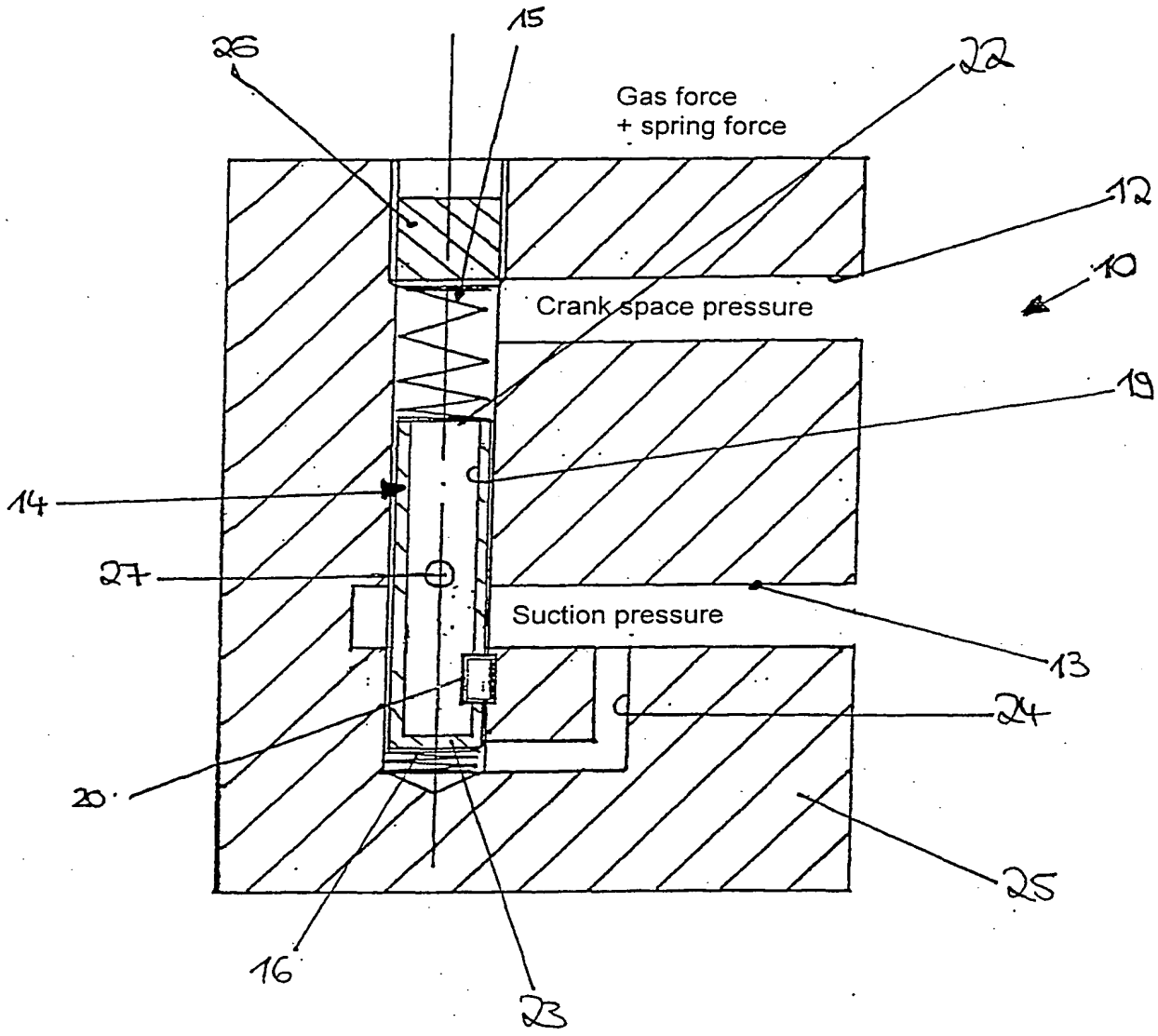

Fig.7